



Traffic Safety Facts California 2004-2008



This Report Contains Data From the Following Sources:

Fatality Data - NCSA Fatality Analysis Reporting System (FARS): 2004-2007 Final File and 2008 Annual Report File (ARF)
Observed Safety Belt Data - NCSA National Occupant Protection Use Survey (NOPUS) and the California State Survey
Vehicle Miles of Travel Data and Motorcycle Registrations - Federal Highway Administration (FHWA)
Population Data - U.S. Bureau of the Census



Table of Contents

3. Traffic Safety Performance Measures
4. Fatality Rates: California , U.S. and Best State
5. Alcohol-Related Fatalities: California , U.S. and Best State (Old Definition)
6. Alcohol-Impaired Driving Fatalities: California , U.S. and Best State (New Definition)
7. Fatalities Per 100 Million VMT: California , U.S.
7. Alcohol-Impaired Driving Fatalities Per 100 Million VMT: California , U.S.
8. Blood Alcohol Concentration (BAC) Reporting Rates For Drivers/Motorcycle Rider (Operators) Involved in Fatal Crashes: California , U.S. and Best State
9. Front Seat Passenger Vehicle Occupants, Aged 5 and Over, by Restraint Use: Fatalities and Observed California , U.S. and Best State
10. Front Seat Passenger Vehicle Occupant Fatalities, Aged 5 and Over, by Percent Restraint Use: California , U.S.
10. Front Seat Passenger Vehicle Occupants Observed, Aged 5 and Over, by Percent Restraint Use: California , U.S.
11. Passenger Vehicle Occupant Fatalities Aged 5 and Above by Restraint Use and Lives Saved Estimates
11. Passenger Vehicle Occupant Fatalities Aged Under 5 by Restraint Use and Lives Saved Estimates
12. Motorcyclist Fatalities by Helmet Use and Lives Saved Estimates
13. Fatalities by Person Type
14. Fatalities by Crash Type
15. Motorcyclist Fatalities by Age
15. Motorcyclist Fatalities Per 100,000 Registered Motorcycles
16. Fatalities by Person Type and Race/Hispanic Origin
17. Top 10 Counties for Fatalities
18. Top 10 Counties for Fatalities: Year to Year Percent Change
19. Top 10 Counties for Fatality Rates
20. Motor Vehicle Crash Fatality Maps:
Total Fatalities, Alcohol-Impaired Driving Fatalities, Single Vehicle Crash Fatalities
21. Motor Vehicle Crash Fatality Maps:
Large Truck Crash Fatalities, Speeding Involved Fatalities, Roadway Departure Fatalities
22. Motor Vehicle Crash Fatality Maps:
Intersection Fatalities, Passenger Car Occupants, Light Truck and Van Occupants
23. Motor Vehicle Crash Fatality Maps:
Motorcyclist Fatalities, Pedestrian Fatalities, Pedestrian Fatalities



Traffic Safety Performance (Core Outcome) Measures* For California

Core Outcome Measures		Year				
		2004	2005	2006	2007	2008
Traffic Fatalities	Total	4,120	4,333	4,240	3,995	3,434
	Rural	1,670	1,751	1,576	1,496	1,324
	Urban	2,450	2,582	2,663	2,499	2,110
	Unknown	0	0	1	0	0
Fatalities Per 100 Million Vehicle Miles Driven**	Total	1.25	1.32	1.29	1.22	
	Rural	2.50	2.80	2.60	2.46	
	Urban	0.93	0.97	1.00	0.93	
Passenger Vehicle Occupant Fatalities (All Seat Positions)	Total	2,786	2,897	2,762	2,601	2,023
	Restrained	1,469	1,604	1,557	1,498	1,170
	Unrestrained	1,009	974	920	859	702
	Unknown	308	319	285	244	151
Alcohol-Impaired Driving Fatalities (BAC=.08+)**		1,179	1,298	1,272	1,132	1,029
Speeding-Related Fatalities		1,333	1,473	1,404	1,472	1,141
Motorcyclist Fatalities	Total	432	469	506	518	560
	Helmeted	360	401	430	440	486
	Unhelmeted	59	56	67	68	68
	Unknown	13	12	9	10	6
Drivers Involved in Fatal Crashes	Total	5,639	5,769	5,774	5,522	4,710
	Aged Under 15	17	8	8	5	4
	Aged 15-20	703	737	719	604	523
	Aged Under 21	720	745	727	609	527
	Aged 21 and Over	4,766	4,836	4,867	4,746	4,047
	Unknown Age	153	188	180	167	136
Pedestrian Fatalities		684	742	719	650	620

*These Performance Measures Were Developed By The National Highway Traffic Safety Administration (NHTSA) and the Governors Highway Safety Association (GHSA) (See Publication: DOT HS 811 025)

**2008 State Vehicle Miles Traveled (VMT) Data is Not Yet Available

***Based on the BAC of All Involved Drivers and Motorcycle Riders (Operators) Only

[Back To The Table of Contents](#)



Fatality Rates: California , U.S. and Best State

Year		Fatalities	Total Vehicle Miles Traveled (Millions)	Fatalities Per 100 Million Vehicle Miles Traveled	Total Population	Fatalities Per 100,000 Population
2004	California	4,120	328,917	1.25	35,629,666	11.56
	US	42,836	2,964,788	1.44	292,892,127	14.63
	Best State*			0.87		7.39
2005	California	4,333	329,267	1.32	35,885,415	12.07
	US	43,510	2,989,430	1.46	295,560,549	14.72
	Best State*			0.80		6.85
2006	California	4,240	327,478	1.29	36,121,296	11.74
	US	42,708	3,014,371	1.42	298,362,973	14.31
	Best State*			0.78		6.32
2007	California	3,995	328,312	1.22	36,377,534	10.98
	US	41,259	3,029,822	1.36	301,290,332	13.69
	Best State*			0.79		6.55
2008	California	3,434			36,756,666	9.34
	US	37,261	2,925,503	1.27	304,059,724	12.25
	Best State*					5.59

*State (or States) With Lowest Rates: Lowest VMT and Population Rates Could Be in Different States

2008 National VMT is a Preliminary Estimate and Subject to Change

2008 State Vehicle Miles Traveled (VMT) Data is Not Yet Available

[Back To The Table of Contents](#)



Fatalities By The Highest Blood Alcohol Concentration (BAC) in the Crash:**
California , U.S. and Best State
(Old Definition)

Year		Total Fatalities in all Crashes	Highest BAC level in the Crash				
			BAC = .01+		BAC = .08+		Per 100 Million VMT
			Number	Percent	Number	Percent	
2004	California	4,120	1,667	40	1,390	34	0.42
	US	42,836	16,919	39	14,593	34	0.49
	Best State*			25		21	0.27
2005	California	4,333	1,769	41	1,505	35	0.46
	US	43,510	17,590	40	15,102	35	0.51
	Best State*			14		12	0.14
2006	California	4,240	1,762	42	1,495	35	0.46
	US	42,708	17,738	42	15,144	35	0.50
	Best State*			24		20	0.22
2007	California	3,995	1,606	40	1,331	33	0.41
	US	41,259	17,158	42	14,603	35	0.48
	Best State*			24		21	0.23
2008	California	3,434	1,429	42	1,245	36	
	US	37,261	15,438	41	13,294	36	0.45
	Best State*			21		16	

*State (or States) With Lowest Percents: Lowest Percents Could Be in Different States

**Based on the BAC of All Involved Drivers, Motorcycle Riders (Operators), Pedalcyclists and Pedestrians

2008 National VMT is a Preliminary Estimate and Subject to Change

2008 State Vehicle Miles Traveled (VMT) Data is Not Yet Available

[Back To The Table of Contents](#)



Alcohol-Impaired Driving Fatalities**:
California, U.S. and Best State
(New Definition)

Year		Total Fatalities in all Crashes	Alcohol-Impaired Driving Fatalities (BAC = .08+)		
			Number	Percent	Per 100 Million VMT
2004	California	4,120	1,179	29	0.36
	US	42,836	13,099	31	0.44
	Best State*			20	0.25
2005	California	4,333	1,298	30	0.39
	US	43,510	13,582	31	0.45
	Best State*			12	0.13
2006	California	4,240	1,272	30	0.39
	US	42,708	13,491	32	0.45
	Best State*			18	0.20
2007	California	3,995	1,132	28	0.34
	US	41,259	13,041	32	0.43
	Best State*			19	0.21
2008	California	3,434	1,029	30	
	US	37,261	11,773	32	0.40
	Best State*			16	

*State (or States) With Lowest Percents: Lowest Percents Could Be in Different States

**Based on the BAC of All Involved Drivers and Motorcycle Riders (Operators) Only

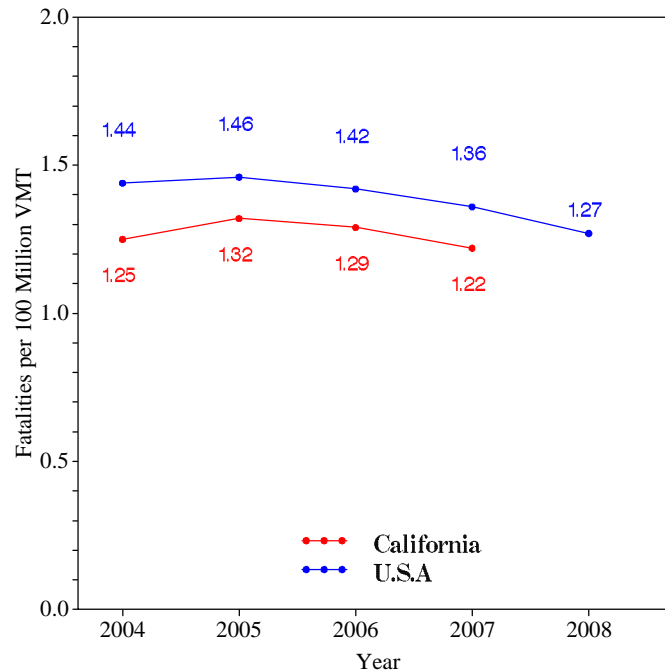
2008 National VMT is a Preliminary Estimate and Subject to Change

2008 State Vehicle Miles Traveled (VMT) Data is Not Yet Available

[Back To The Table of Contents](#)

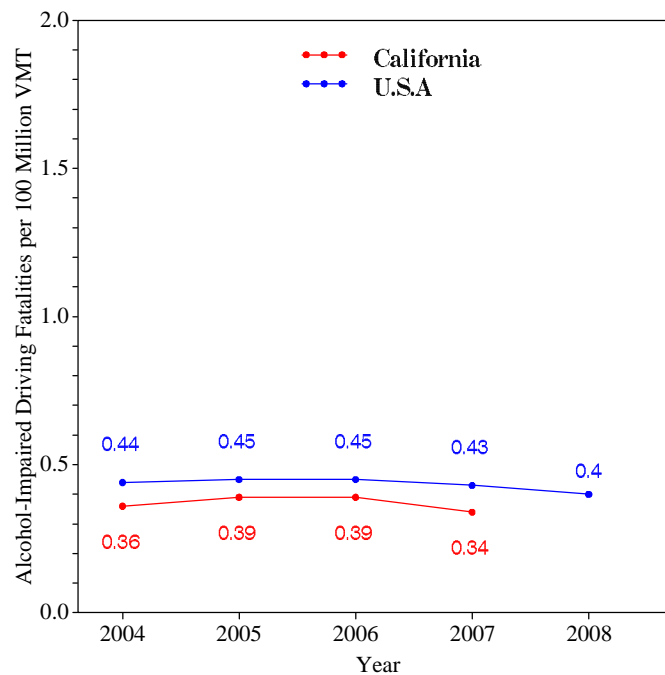


Fatalities per 100 Million VMT



[Back To The Table of Contents](#)

Alcohol-Impaired Driving Fatalities per 100 Million VMT



2008 National VMT is a Preliminary Estimate and Subject to Change
2008 State Vehicle Miles Traveled (VMT) Data is Not Yet Available

[Back To The Table of Contents](#)



Blood Alcohol Concentration (BAC) Reporting Rates
For Drivers/Motorcycle Riders (Operators)
Involved in Fatal Crashes:
California , U.S. and Best State

Year		Surviving Drivers/Motorcycle Riders			Killed Drivers/Motorcycle Riders			Total Drivers/Motorcycle Riders		
		Total	With Blood Alcohol Concentration (BAC) Results Reported to FARS		Total	With Blood Alcohol Concentration (BAC) Results Reported to FARS		Total	With Blood Alcohol Concentration (BAC) Results Reported to FARS	
			Number	Percent		Number	Percent		Number	Percent
2004	California	3,345	704	21	2,294	2,056	90	5,639	2,760	49
	US	31,524	8,215	26	26,871	18,275	68	58,395	26,490	45
	Best State*			80			97			82
2005	California	3,459	649	19	2,310	1,951	84	5,769	2,600	45
	US	31,729	7,415	23	27,491	18,773	68	59,220	26,188	44
	Best State*			77			98			84
2006	California	3,439	590	17	2,335	2,113	90	5,774	2,703	47
	US	30,498	7,482	25	27,348	18,911	69	57,846	26,393	46
	Best State*			81			99			85
2007	California	3,279	624	19	2,243	2,058	92	5,522	2,682	49
	US	29,449	7,631	26	26,570	19,434	73	56,019	27,065	48
	Best State*			82			100			84
2008	California	2,759	672	24	1,951	1,784	91	4,710	2,456	52
	US	26,011	6,677	26	24,175	17,045	71	50,186	23,722	47
	Best State*			80			95			84

*State (or States) With Highest Percents: Highest Percents Could Be in Different States

[Back To The Table of Contents](#)



Daytime Front Seat (Outboard Only) Passenger Vehicle Occupants, Aged 5 and Over, by Restraint Use:
Fatalities and Observed
California , U.S. and Best State

Year		Fatalities - Restrained**	Observed - Restrained***
		Percent	Percent
2004	California	72	90
	US	56	80
	Best State*	82	95
2005	California	74	93
	US	55	82
	Best State*	88	95
2006	California	75	93
	US	55	81
	Best State*	77	96
2007	California	74	95
	US	57	82
	Best State*	82	98
2008	California	74	96
	US	56	83
	Best State*	78	97

*State With Highest Percent. Fatal Crash and Observed Percents Can Be Different States

**Percent Based Only Where Restraint Use Was Known

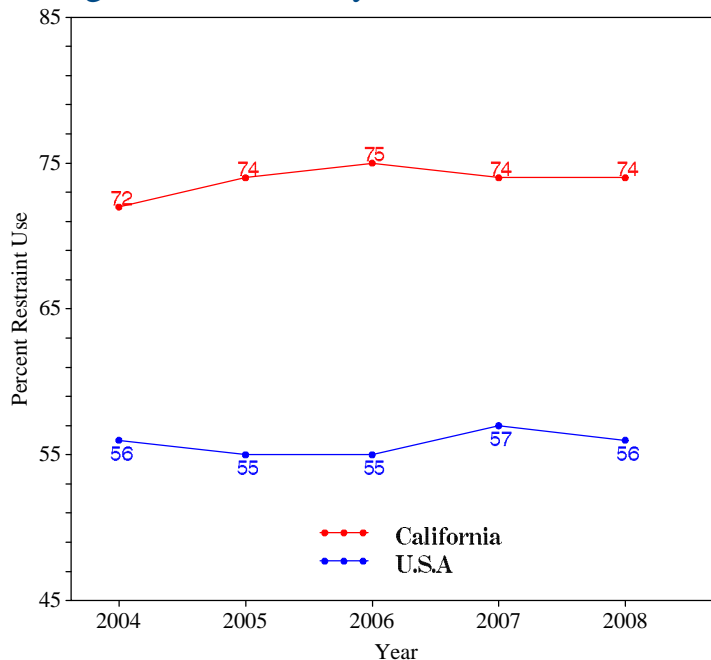
***USA Data: National Occupant Protection Use Survey. California Data: State Survey

Note: The Purpose of this Table is to Compare (as closely as possible) the Use of Restraint Systems by Fatally Injured Occupants with Occupants in all Driving Situations

[Back To The Table of Contents](#)



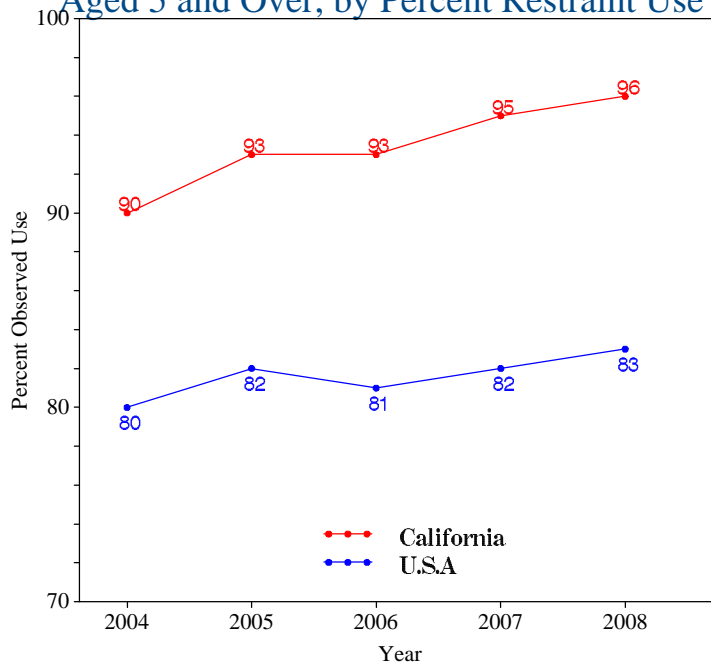
Daytime Front Seat (Outboard Only) Passenger Vehicle Occupant Fatalities, Aged 5 and Over, by Percent Restraint Use*



*Percent Based Only Where Restraint Use Was Known

[Back To The Table of Contents](#)

Daytime Front Seat (Outboard Only) Passenger Vehicle Occupants Observed, Aged 5 and Over, by Percent Restraint Use*



*USA Data: National Occupant Protection Use Survey. California Data: State Survey

[Back To The Table of Contents](#)



Passenger Vehicle Occupant Fatalities Age 5 and Above by Restraint Use and Lives Saved Estimates

Year	Fatalities Age 5 and Above					Lives Saved Estimates**	
	Total	Restrained	Unrestrained	Unknown Restraint Use	Percent Known Restrained*	Lives Saved at Current Belt Use	Additional Lives Savable at 100% Belt Usage
2004	2,743	1,445	995	303	59	1,765	324
2005	2,847	1,578	955	314	62	1,951	267
2006	2,710	1,522	907	281	63	1,888	316
2007	2,552	1,464	847	241	63	1,791	196
2008	1,996	1,151	697	148	62	1,424	161

*Percent Based Only Where Restraint Use Was Known

**Lives Saved Estimates (Sum of columns may not equal other published numbers due to rounding)

[Back To The Table of Contents](#)

Passenger Vehicle Occupant Fatalities Age 4 and Under by Restraint Use and Lives Saved Estimates

Year	Fatalities Age 4 and Under					Lives Saved Estimates**
	Total	Restrained	Unrestrained	Unknown Restraint Use	Percent Known Restrained*	Lives Saved at Current Seat Belt and Child Safety Seat Usage
2004	40	24	11	5	69	36
2005	47	25	19	3	57	39
2006	50	34	13	3	72	52
2007	49	34	12	3	74	52
2008	25	18	5	2	78	33

*Percent Based Only Where Restraint Use Was Known

**Lives Saved Estimates

[Back To The Table of Contents](#)



Motorcyclist Fatalities by Helmet Use and Lives Saved Estimates

Year	Fatalities					Lives Saved Estimates**	
	Total	Helmeted	Unhelmeted	Unknown Helmet Use	Percent Known Helmeted*	Lives Saved at Current Helmet Use	Additional Lives Savable at 100% Helmet Usage
2004	432	360	59	13	86	222	20
2005	469	401	56	12	88	242	22
2006	506	430	67	9	87	258	27
2007	518	440	68	10	87	266	26
2008	560	486	68	6	88	291	26

*Percent Based Only Where Helmet Use Was Known

**Lives Saved Estimates (Sum of columns may not equal other published numbers due to rounding)

[Back To The Table of Contents](#)



Fatalities by Person Type

Person Type		2004		2005		2006		2007		2008	
		#	%*	#	%*	#	%*	#	%*	#	%*
Occupants	Passenger Car	1,738	42	1,801	42	1,737	41	1,622	41	1,281	37
	Light Truck - Pickup	420	10	418	10	464	11	401	10	300	9
	Light Truck - Utility	427	10	447	10	410	10	420	11	316	9
	Light Truck - Van	197	5	229	5	151	4	157	4	122	4
	Light Truck - Other	4	0	2	0	0	0	1	0	4	0
	Large Truck	50	1	41	1	43	1	49	1	40	1
	Bus	0	0	7	0	3	0	2	0	12	0
	Other/Unknown Occupants	32	1	32	1	36	1	34	1	37	1
	Total Occupants	2,868	70	2,977	69	2,844	67	2,686	67	2,112	62
Motorcyclists	Total Motorcyclists	432	10	469	11	506	12	518	13	560	16
Nonoccupants	Pedestrian	684	17	742	17	719	17	650	16	620	18
	Bicyclist and Other Cyclist	110	3	115	3	141	3	109	3	109	3
	Other/Unknown Nonoccupants	26	1	30	1	30	1	32	1	33	1
	Total Nonoccupants	820	20	887	20	890	21	791	20	762	22
Total	Total	4,120	100	4,333	100	4,240	100	3,995	100	3,434	100

*Sum of Percents May Not = 100 Due to Individual Cell Rounding

[Back To The Table of Contents](#)



Fatalities by Crash Type

Crash Type	2004	2005	2006	2007	2008
Total Fatalities (All Crashes)*	4,120	4,333	4,240	3,995	3,434
- (1) Single Vehicle	2,369	2,491	2,418	2,328	2,062
- (2) Involving a Large Truck	415	429	394	366	318
- (3) Involving Speeding	1,333	1,473	1,404	1,472	1,141
- (4) Involving a Rollover	1,269	1,247	1,192	1,153	918
- (5) Involving a Roadway Departure	2,049	2,109	2,066	2,015	1,693
- (6) Involving an Intersection (or Intersection Related)	865	936	855	851	764

(1) Crash Involved Only One Coded Vehicle

(2) Crash Involved at Least One Large Truck

(3) Crash Involved at Least One Vehicle Speeding

(4) Crash Involved at Least One Vehicle That Rolled Over

(5) Crash Involved at Least One Vehicle That Departed the Roadway (FHWA Definition)

(6) Crash Occured Within an Intersection or Within the Approach to an Intersection

*A Fatality Can Be in More Than One Category. Therefore Sum of the Individual Cells Will Not Equal the Total Due to Double Counting

[Back To The Table of Contents](#)



Motorcyclist Fatalities by Age

Year	Age						Total
	<20	20-29	30-39	40-49	50-59	>59	
2004	32	114	102	96	62	26	432
2005	28	139	86	106	81	29	469
2006	27	136	95	132	89	27	506
2007	13	164	105	114	90	32	518
2008	30	169	110	97	97	57	560

[Back To The Table of Contents](#)

Motorcyclist Fatalities Per 100,000 Registered Motorcycles

Year	Motorcyclist Fatalities	Total Motorcycle Registrations*	Motorcyclist Fatalities Per 100,000 Motorcycle Registrations
2004	432	626,529	68.95
2005	469	675,336	69.45
2006	506	726,096	69.69
2007	518	767,319	67.51
2008	560		

*Data Source: FHWA

*2008 Motorcycle Registrations are Not Yet Available

[Back To The Table of Contents](#)



Fatalities by Person Type and Race/Hispanic Origin

Person Type by Race/Hispanic Origin		2004	2005	2006	2007
Occupants (All Vehicle Types)	Hispanic	1,068	1,239	1,256	1,246
	White Non-Hispanic	1,693	1,661	1,574	1,480
	Black, Non-Hispanic	224	215	205	199
	American Indian, Non-Hispanic/Unknown	19	29	30	24
	Asian, Non-Hispanic/Unknown	200	211	185	163
	Pacific Islander, Non-Hispanic/Unknown	10	3	5	5
	Multiple Races, Non-Hispanic/Unknown	30	51	39	31
	All Other Non-Hispanic or Race	53	36	52	56
	Unknown Race and Unknown Hispanic	3	1	4	0
	Total	3,300	3,446	3,350	3,204
Non-Occupants (Pedestrians, Pedalcyclists and Other/Unknown NonOccupants)					
	Hispanic	293	360	350	315
	White Non-Hispanic	354	346	350	311
	Black, Non-Hispanic	63	67	84	62
	American Indian, Non-Hispanic/Unknown	6	4	6	6
	Asian, Non-Hispanic/Unknown	73	81	81	67
	Pacific Islander, Non-Hispanic/Unknown	1	1	3	0
	Multiple Races, Non-Hispanic/Unknown	10	13	0	9
	All Other Non-Hispanic or Race	18	14	14	21
	Unknown Race and Unknown Hispanic	2	1	2	0
	Total	820	887	890	791
Total		4,120	4,333	4,240	3,995

2008 Race/Hispanic Origin Data is Not Yet Complete

[Back To The Table of Contents](#)



5 Year Trend For The Top 10 Counties of 2008 - Fatalities

Counties by 2008 Ranking		Fatalities					Percent of Total				
		2004	2005	2006	2007	2008	2004	2005	2006	2007	2008
1	Los Angeles County	753	750	799	765	711	18	17	19	19	21
2	San Bernardino County	406	427	405	360	293	10	10	10	9	9
3	San Diego County	299	309	303	292	263	7	7	7	7	8
4	Riverside County	321	333	356	324	253	8	8	8	8	7
5	Orange County	212	203	208	194	163	5	5	5	5	5
6	Fresno County	148	164	155	159	138	4	4	4	4	4
7	Kern County	145	178	202	156	115	4	4	5	4	3
8	Santa Clara County	88	106	96	101	102	2	2	2	3	3
9	Sacramento County	131	162	128	141	91	3	4	3	4	3
10	San Joaquin County	124	124	118	107	89	3	3	3	3	3
Sub Total 1.*	Top Ten Counties	2,640	2,765	2,772	2,601	2,218	64	64	65	65	65
Sub Total 2.**	All Other Counties	1,480	1,568	1,468	1,394	1,216	36	36	35	35	35
Total	All Counties	4,120	4,333	4,240	3,995	3,434	100	100	100	100	100

*This Sub Total is the Total for the Top Ten Counties

**This Sub Total is the Total for all Counties Outside the Top Ten

[Back To The Table of Contents](#)



5 Year Trend For The Top 10 Counties of 2008 - Fatalities Year to Year Percent Change

Counties by 2008 Ranking		Fatalities					Percent Change From Previous Year			
		2004	2005	2006	2007	2008	2005	2006	2007	2008
1	Los Angeles County	753	750	799	765	711	-0	7	-4	-7
2	San Bernardino County	406	427	405	360	293	5	-5	-11	-19
3	San Diego County	299	309	303	292	263	3	-2	-4	-10
4	Riverside County	321	333	356	324	253	4	7	-9	-22
5	Orange County	212	203	208	194	163	-4	2	-7	-16
6	Fresno County	148	164	155	159	138	11	-5	3	-13
7	Kern County	145	178	202	156	115	23	13	-23	-26
8	Santa Clara County	88	106	96	101	102	20	-9	5	1
9	Sacramento County	131	162	128	141	91	24	-21	10	-35
10	San Joaquin County	124	124	118	107	89	0	-5	-9	-17
Sub Total 1.* Top Ten Counties		2,640	2,765	2,772	2,601	2,218	5	0	-6	-15
Sub Total 2.** All Other Counties		1,480	1,568	1,468	1,394	1,216	6	-6	-5	-13
Total All Counties		4,120	4,333	4,240	3,995	3,434	5	-2	-6	-14

*This Sub Total is the Total for the Top Ten Counties

**This Sub Total is the Total for all Counties Outside the Top Ten

[Back To The Table of Contents](#)



5 Year Trend For The Top 10 Counties of 2008 - Fatality Rates

Median Rate for all U.S. Counties: 19.59

Counties by 2008 Ranking		Fatalities Per 100,000 Population				
		2004	2005	2006	2007	2008
1	Alpine County	84.39	266.67	344.83	175.44	188.50
2	Sierra County	88.24	149.79	118.31	30.19	91.94
3	Colusa County	54.31	48.56	28.60	52.01	75.46
4	Inyo County	38.97	62.09	102.66	57.49	58.36
5	Modoc County	32.00	21.55	75.17	10.91	43.55
6	Trinity County	82.48	58.64	43.08	106.07	41.91
7	Plumas County	23.84	61.99	28.92	24.29	34.53
8	Glenn County	40.40	25.45	43.22	50.07	31.87
9	Mendocino County	17.20	43.69	22.00	20.94	31.31
10	Imperial County	37.98	31.31	26.75	26.11	28.05
Sub Rate 1.* <i>Top Ten Counties</i>		50.07	50.26	44.90	44.53	35.63
Sub Rate 2.** <i>All Other Counties</i>		11.31	11.76	11.41	10.74	9.08
Total Rate <i>All Counties</i>		11.56	12.07	11.74	10.98	9.34

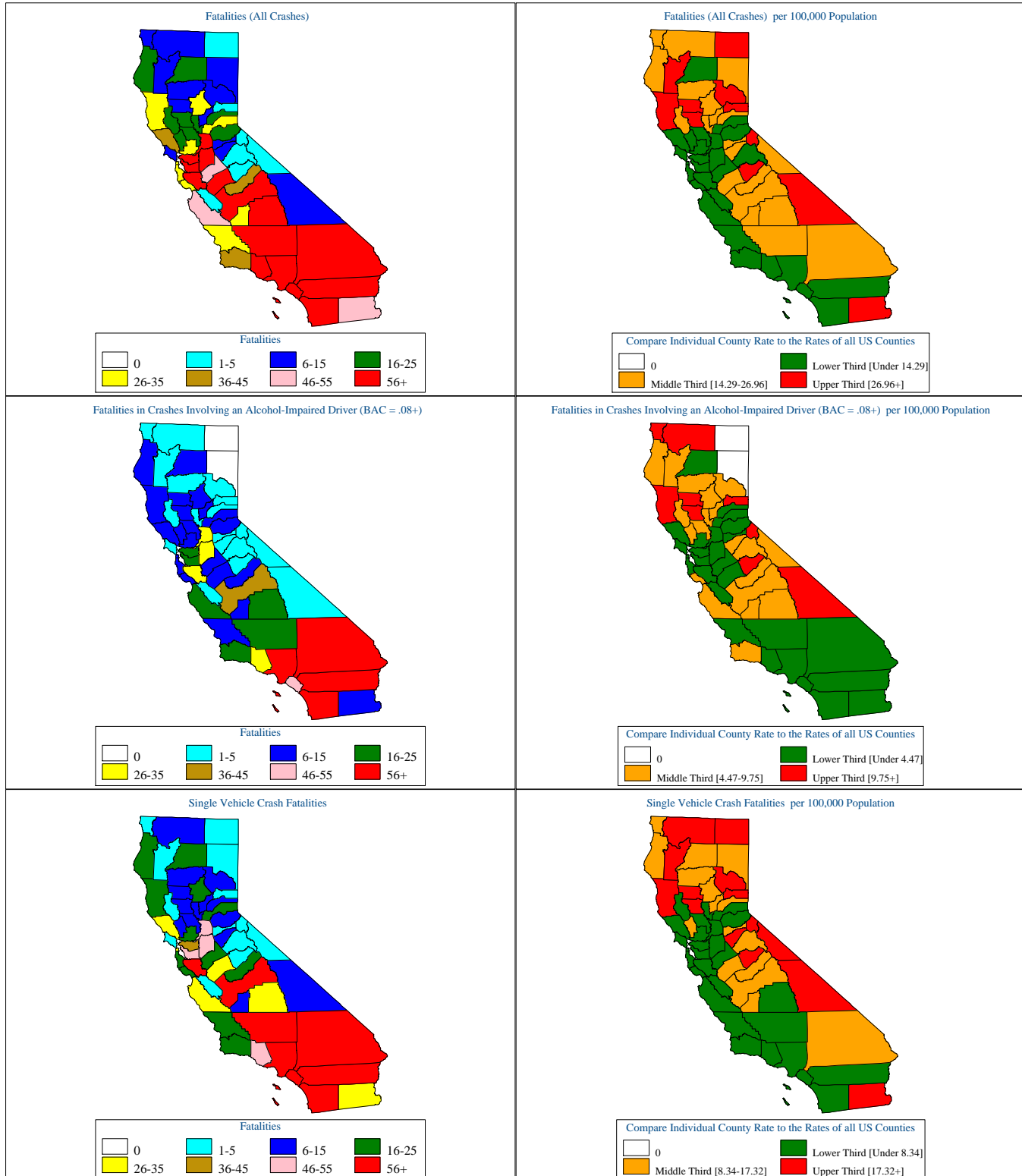
*This Sub Rate is the Rate for the Top Ten Counties

**This Sub Rate is the Rate for all Counties Outside the Top Ten

[Back To The Table of Contents](#)



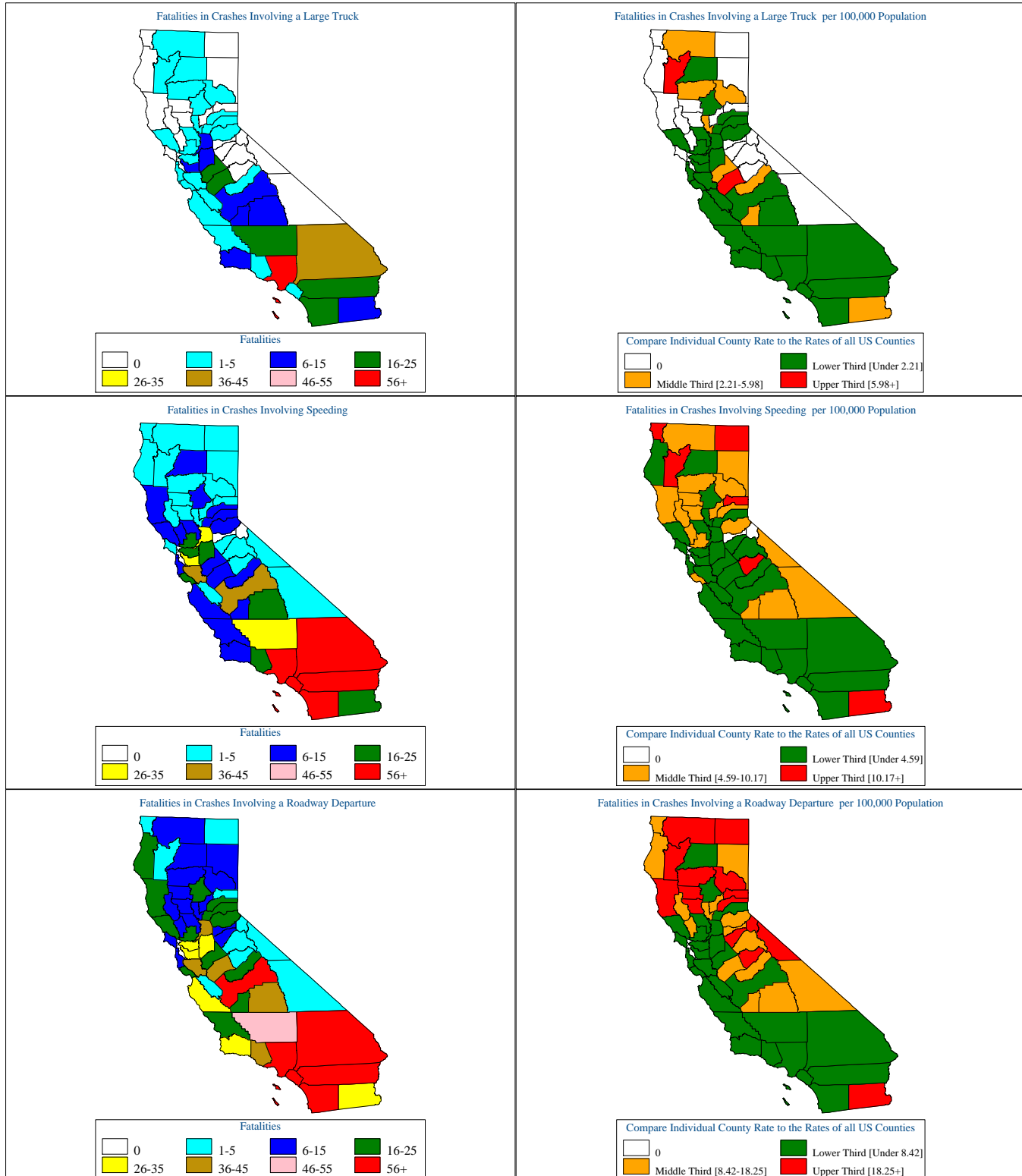
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[Back To The Table of Contents](#)



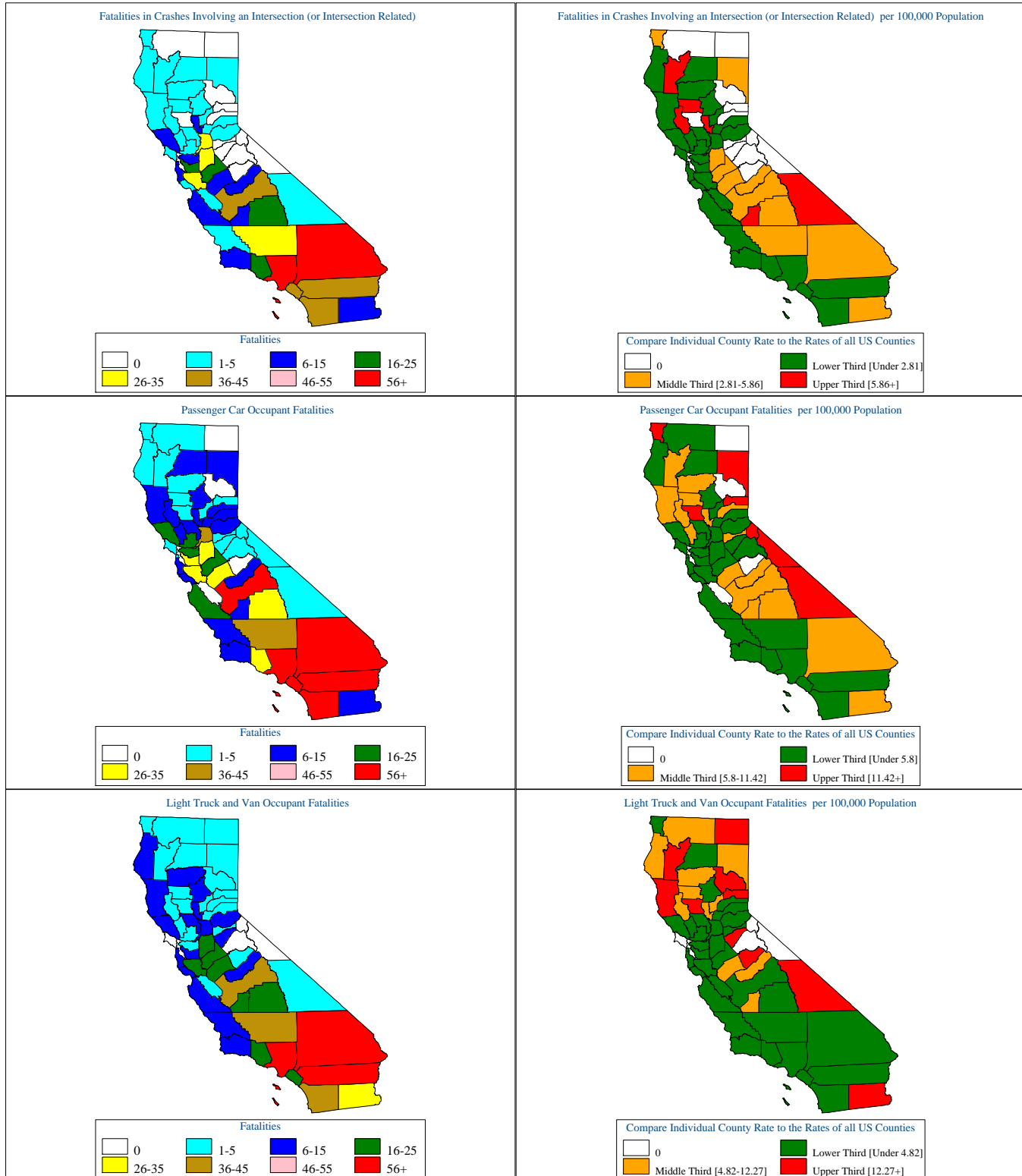
California Motor Vehicle Crash Fatality Maps for 2008



[Back To The Table of Contents](#)



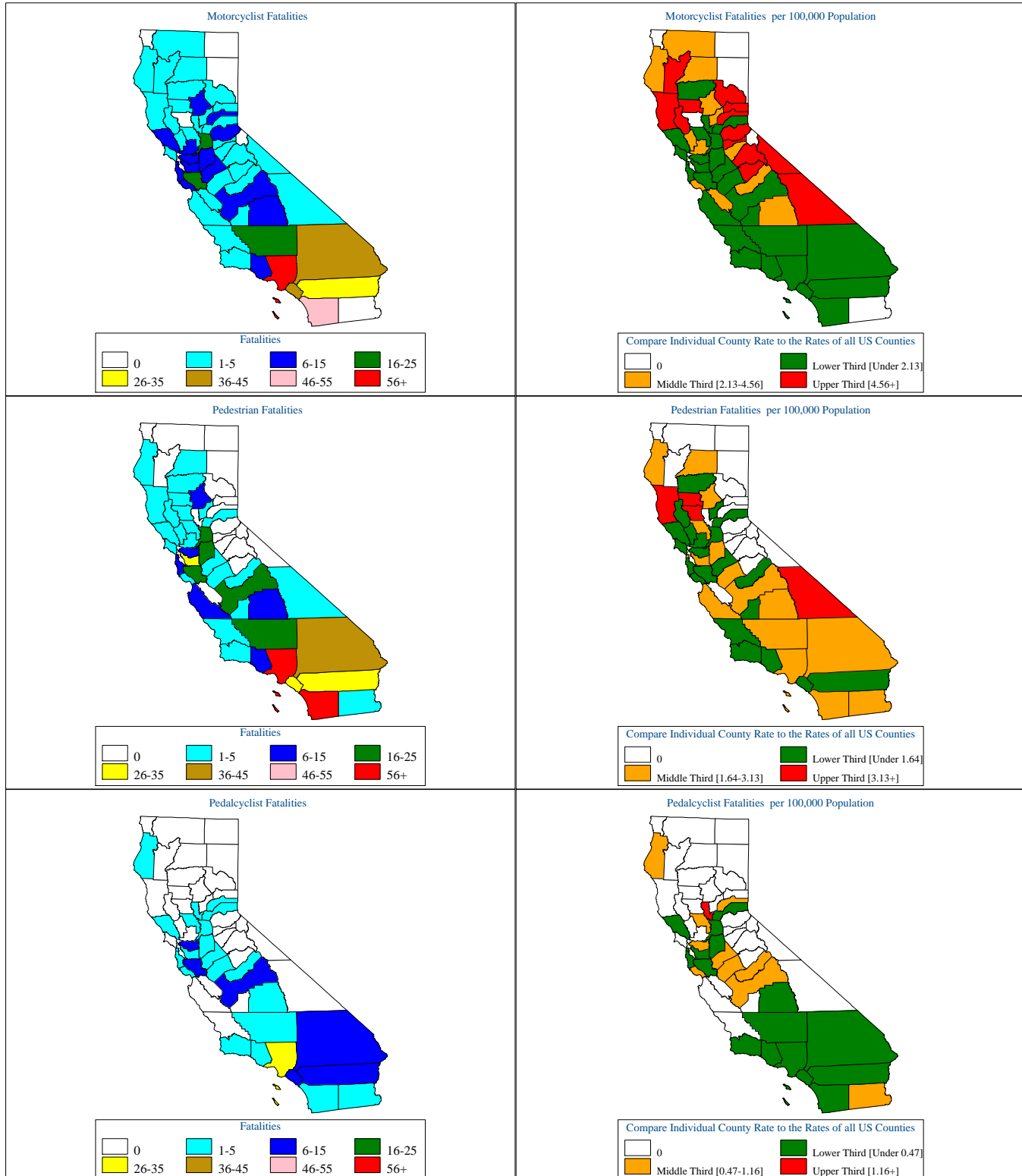
California Motor Vehicle Crash Fatality Maps for 2008



[Back To The Table of Contents](#)



California Motor Vehicle Crash Fatality Maps for 2008



[Back To The Table of Contents](#)